We Claim:

1. A method of manufacturing metal fins suitable for use in a heat exchanger which comprises:

(a) providing a coated patterned fin stock having a series of parallel stripes disposed longitudinally across the width of said fin stock, with said stripes being evenly spaced apart in the central portion of said fin stock, and staggered or more further spaced apart at the edges of said fin stock;

(b) passing said fin stock through a series of forming dies to form or draw a plurality of tube receiving collared holes in said fin stock; and

(c) slitting or cutting said fin stock longitudinally to form a plurality of fin strips, and whereby said staggered spacing compensates for transverse movement of the fin stock during the drawing operation, and assures for accurate positioning of the collars between said coated stripes.

2. A method of manufacturing metal fins suitable for use in a heat exchanger which comprises:

(a) providing a decorative coated patterned fin stock having a series of parallel stripes disposed longitudinally across the width of said fin stock on one surface thereof, with said stripes being evenly spaced apart in the central portion of said fin stock, and staggered or more further spaced apart at both edges of said fin stock;

(b) passing said fin stock through a series of forming dies to form or draw a plurality of tube receiving collared holes in said fin stock with said collared holes being positioned between two adjacent stripes; and

(c) slitting or cutting said fin stock longitudinally to form a plurality of fin strips, and whereby said staggered spacing compensates for transverse movement of the fin stock during the drawing operation, and assures for accurate positioning of the collars between said coated stripes.

3. A method of manufacturing metal fins suitable for use in a heat exchanger which comprises:

(a) providing a coated patterned fin stock having a width defined by two parallel edges, and a top and bottom surface with a series of parallel stripes disposed longitudinally across the width of the bottom surface of said fin stock, with said stripes being evenly spaced apart in the central portion of said fin stock, and staggered or more further spaced apart at the edges of said fin stock;

(b) passing said fin stock through a series of forming dies to form or draw a plurality of tube receiving collared holes in the top surface of said fin stock; and

(c) slitting or cutting said fin stock longitudinally to form a plurality of fin strips, and whereby said staggered spacing compensates for transverse movement of the fin stock during the drawing operation, and assures for accurate positioning of the collars between said coated stripes.

4. A heat exchanger having a high fin density coil design comprising a series of parallelly spaced fins and a plurality of fluid carrying tubes penetrating said series of parallelly spaced fins, each of said fins having an uncoated central area and stripes of a coating material along outer edge areas thereof, said central areas of said fins having a plurality spaced holes, said holes having surrounding collars which are uncoated on the inside surface area, and said tubes being in an assembled array, with each of said tubes passing through said holes in said parallelly spaced fins and being in contact with said uncoated inside surfaces of said collars surrounding said holes.

5. The heat exchanger of claim 4 in which the fin density is greater than or equal to17 fins per linear inch.

6. The heat exchanger of claim 4 in which the fin density is greater than 20 fins per linear inch.